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E. Coli

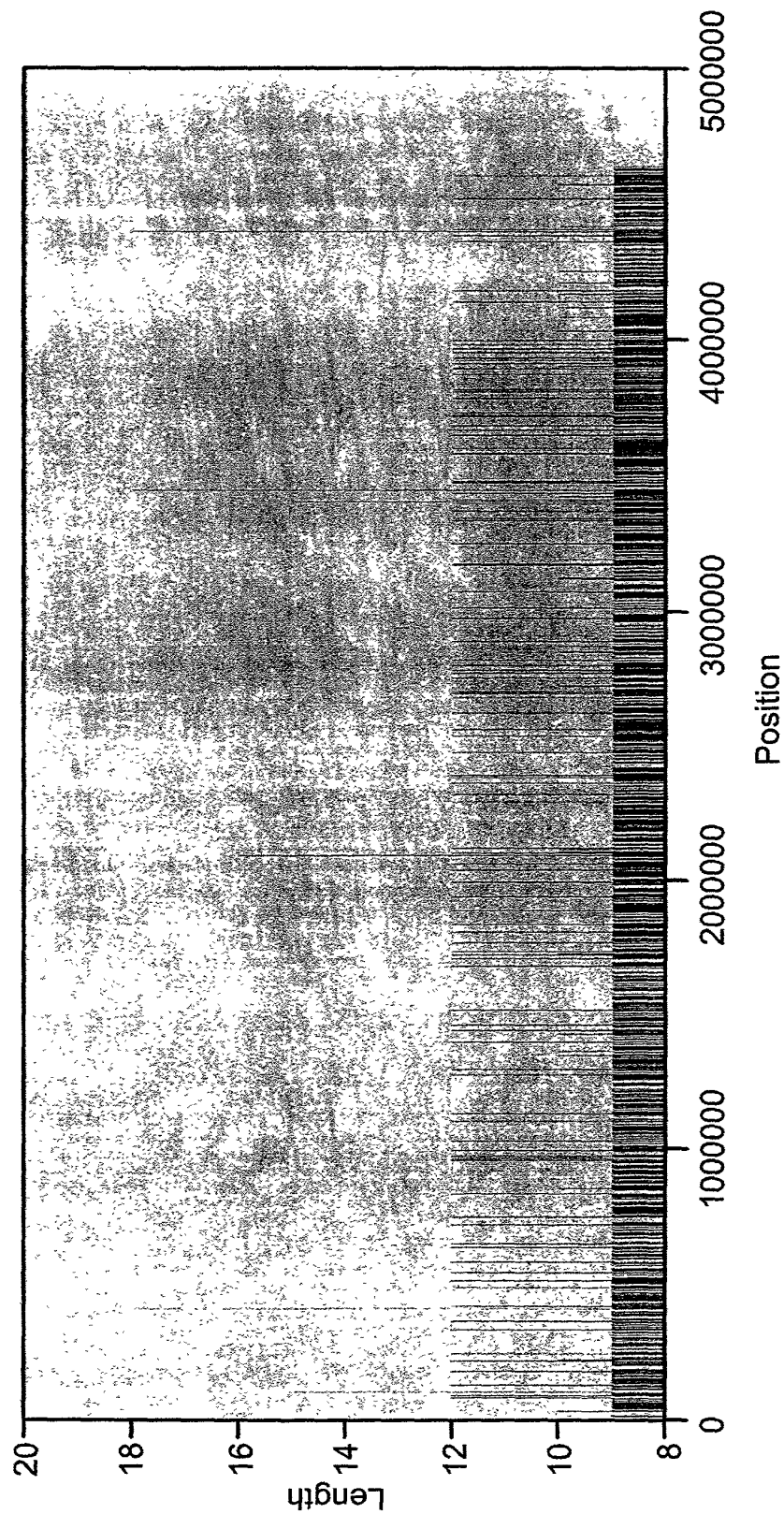
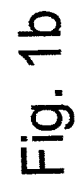


Fig. 1a

Bacillus Subtilis



Archaeoglobus fulgidus

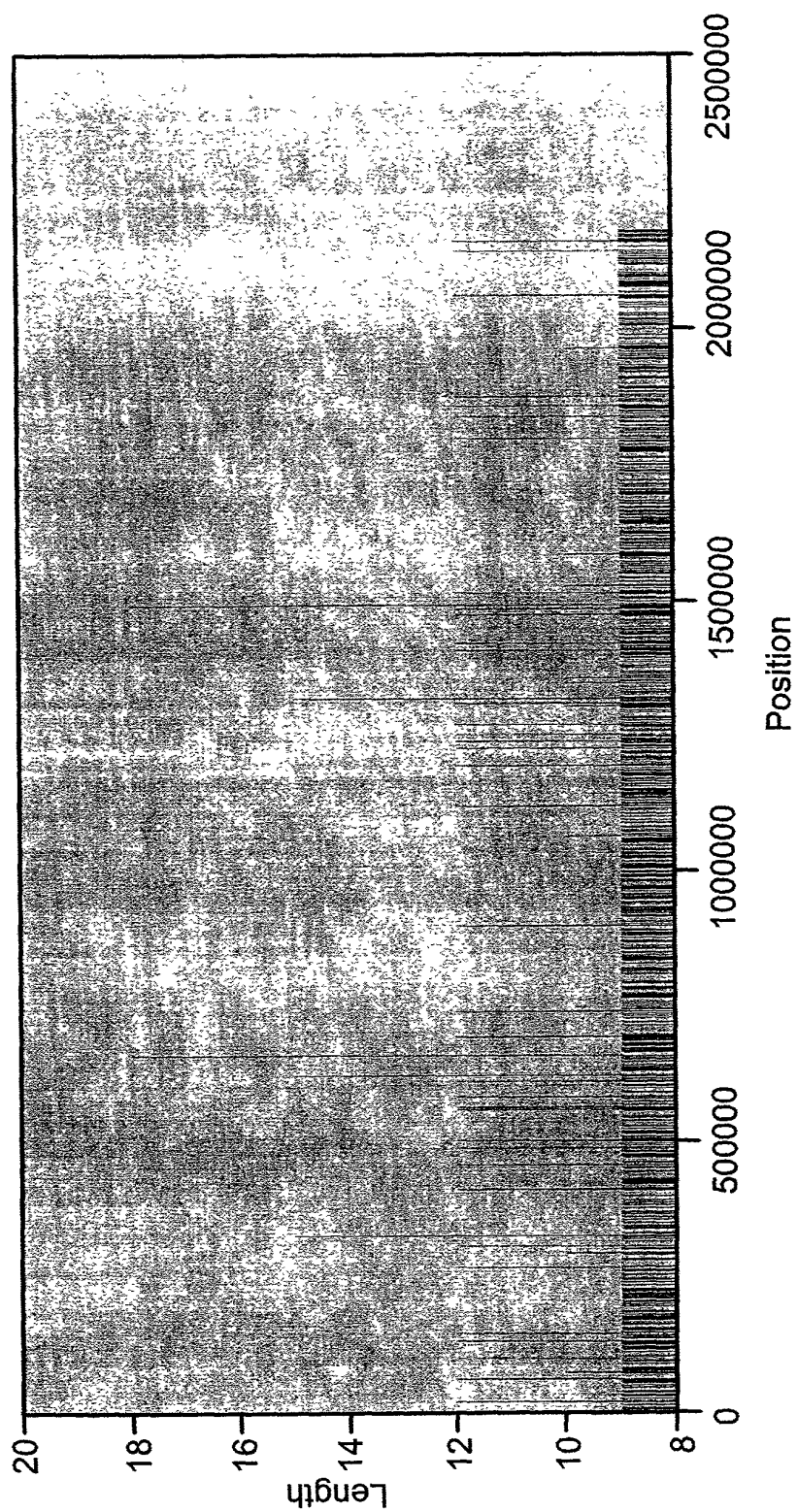


Fig. 1c

Yeast Chromosome 7

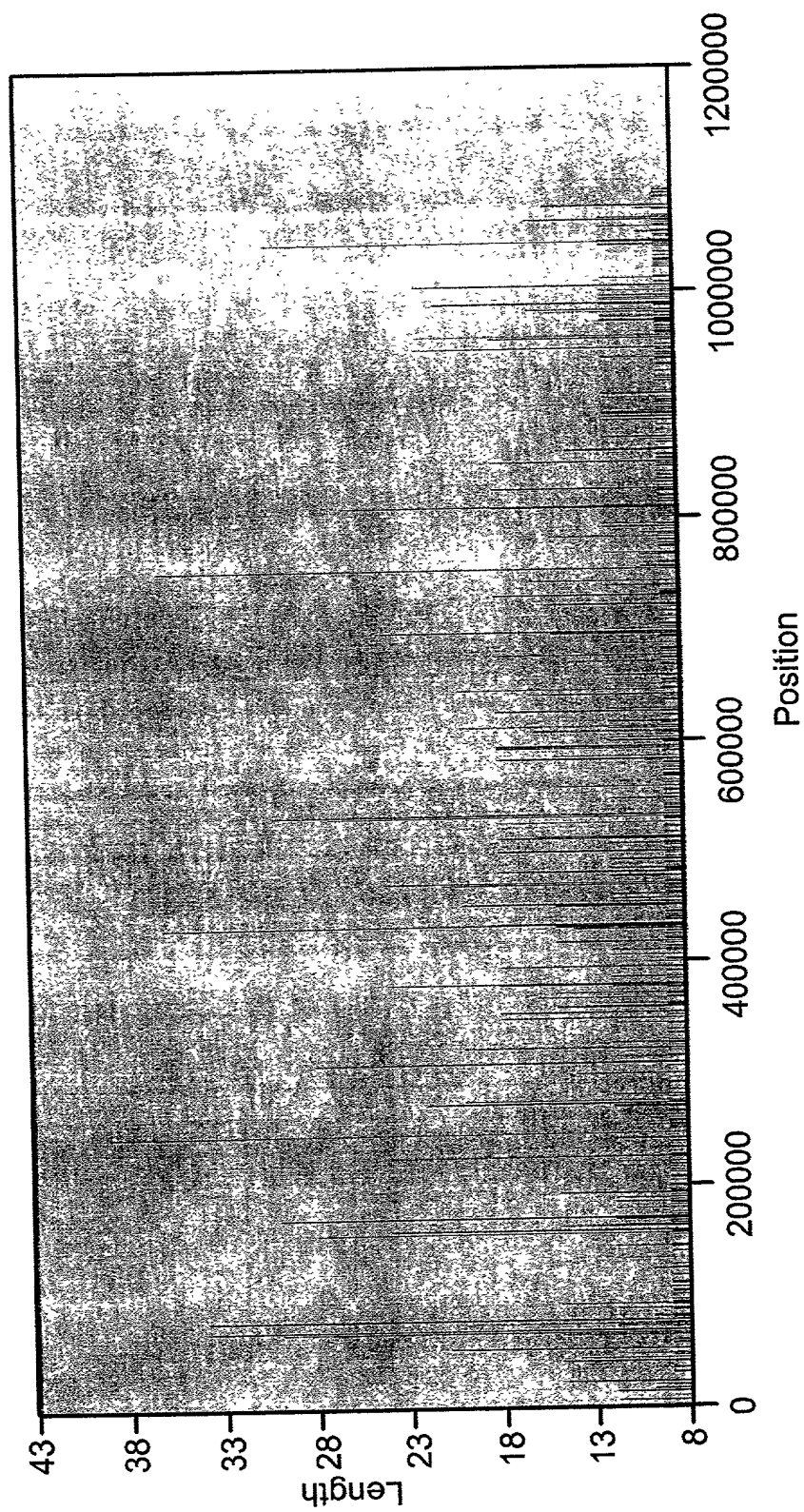


Fig. 1d

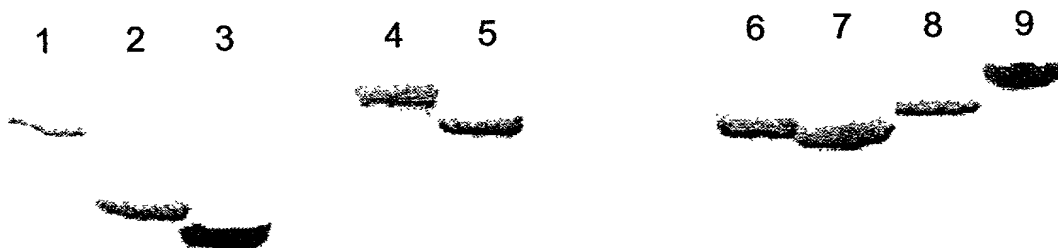


Fig. 2

	1		50
<i>Ec</i> K12, DH5α	---GTTATGT CTTATCCCAC GGTATTTAAT ATGGTTCATT AGGATGTTTA	25*	
<i>Ec</i> Bsr9b	-TTGTTATGT CTTATCCCAC GGTATTTAAT ATAGTTCATT TGGATGTTCA	26*	
<i>Ec</i> Bsr9c	TTTGTTATGT CTTATCCCAC GGTATTTAAT ATAGTTCATT TGGATGTTCA	27*	
<i>Ec</i> ETEC	-TCTATGTTC TTATCNCCAC GG'TNTTTAAT ATGGTTCATT AGGATGTTTA	28*	
Consensus	-----T-T-- -T---CCCAC GGTATTTAAT AT-GTTCATT -GGATGTT-A	29*	
	51		100
<i>Ec</i> K12, DH5α	TTTCTTGATT TTGCATATGA GTATATTA.. CCCCCCCTC AAAAAAATAA		
<i>Ec</i> Bsr9b	TTTCTTTATT TTGCATATGA GTATATTA..CCCCTT CAAAAAATAA		
<i>Ec</i> Bsr9c	TTTCTTTATT TTGCATATGA GTATATTA..CCCCTT CAAAAAATAA		
<i>Ec</i> ETEC	TTTCTTGATT TTGCATATGA GTATATTACC CCCCCCCTC AAAAAAATAA		
Consensus	TTTCTT-ATT TTGCATATGA GTATATTA-- ----CCCCT- -AAAAAATAA		
	101		150
<i>Ec</i> K12, DH5α	ATTAATTAAA ATGATGGCTT ATATAAAATA AAATTTAAAG CAAGGAATCT		
<i>Ec</i> Bsr9b	ATTAATTAAA ACGATTGCTT ATATAAAACA AAATTTAAAG CAAGGAATCT		
<i>Ec</i> Bsr9c	ATTAATTAAA ACGATTGCTT ATATAAAACA AAATTTAAAG CAAGGAATCT		
<i>Ec</i> ETEC	ATTAATTAAA ATGATGGCTT ATATNAAATA NAATTTAAAG CAAGGANTCT		
Consensus	ATTAATTAAA A-GAT-GCTT ATATAAAA-A AAATTTAAAG CAAGGAATCT		
	151		200
<i>Ec</i> K12, DH5α	CAATGGATGT TAAACAAAAT GAGATTTTGT GAAAGCAATA AATTATTGAC		
<i>Ec</i> Bsr9b	CAATGGATGT TAAACAAAAT GAGATTTAGT GAAAACAATA AATTATTCAC		
<i>Ec</i> Bsr9c	CAATGGATGT TAAACAAAAT GAGATTTAGT GAAAACAATA AATTATTCAC		
<i>Ec</i> ETEC	CAATGGATGT TAAACANAAT GAGATTTTGT GAANGCNATN NATTATTGNC		
Consensus	CAATGGATGT TAAACAAAAT GAGATTT-GT GAAA-CAATA AATTATT-AC		
	201		250
<i>Ec</i> K12, DH5α	TTCGTTTTAG ATTTGTTTGT CTATAATGTT ATACATTCAA ATGACTGAAC		
<i>Ec</i> Bsr9b	TTCGTTTTAG ATTTGTTTGT CTATAATGTT ATACATTCAA ATGACTGAAC		
<i>Ec</i> Bsr9c	TTCGTTTTAG ATTTGTTTGT CTATAATGTT ATACATTCAA ATGACTGAAC		
<i>Ec</i> ETEC	TTCGTTGTAN ATTTGCTNAG CTATAATGTT ATNCATTCAA ATGACTGAAC		
Consensus	TTCGTT-TAG ATTTG-TTAG CTATAATGTT ATACATTCAA ATGACTGAAC		
	251		264
<i>Ec</i> K12, DH5α	ATCCTGTAAT TAAA		
<i>Ec</i> Bsr9b	ATCCTGTATT TAA-		
<i>Ec</i> Bsr9c	ATCCTGTAAT TAA-		
<i>Ec</i> ETEC	ATCCTGTNNT TANA		
Consensus	ATCCTGTAAT TAA-		

* SEQ ID NO

Fig. 3a

	1		50
Ec K12, DH5α	TTTNCCC	GGA AAAAAATAGG	AAAGGGGGGG GGGCTAATCG GCAGGGAAGG 30*
Ec K12, w3110	TNTTNNN	CGG AAAAAAATNG	AAAGGGGGGG GGGCTAATCG GCAGGGAAGG 31*
Ec Bsr9c	--TTTNCC	GGA AAAAAAATNG	AAA..GGGGG GGGCTAATCG GCAGGGAAGG 32*
Ec (wt) 1	--TNTNCC	GGA AAAAAANAGG	AAAGGGGGGG GGGCTAATCG GCAGGGAAGG 33*
Ec (wt) 54	-----N	CGG AAAAAAATG	AAA..GGGGG GGGCTAATCG GCAGGGAAGG 34*
Ec (wt) 68	-----C	GGA AAAAAAATG	AAA..GGGGG GGGCTAATCG GCAGGGAAGG 35*
Consensus	-----	-AAAAA--G	AAA--GGGGG GGGCTAATCG GCAGGGAAGG 36*
	51		100
Ec K12, DH5α	CCGCCCC	GGA TAGCGGGCGG	CANAAGGAAT CANAATTTCC AGGTCAGACG
Ec K12, w3110	CCGCCCC	GGA TAGCGGGCGG	CAGAAGGAAT CAGAATTTCC AGGTCAGACG
Ec Bsr9c	CCGCCCC	GGA TAGCGGGCGG	CAGAAGGAAT CAGAATTTCC AGGTCAGATG
Ec (wt) 1	CCGCCCC	GGA TAGCGGGCGG	CAGAAGGAAT CAGAATTTCC AGGTCAGACG
Ec (wt) 54	CCGCCCC	GGA TAGCGGGCGG	CAGAAGGAAT CAGAATTTCC AGGTCAGATG
Ec (wt) 68	CCGCCCC	GGA TAGCGGGCGG	CAGAAGGAAT CAGAATTTCC AGGTCAGATG
Consensus	CCGCCCC	GGA TAGCGGGCGG	CAGAAGGAAT CAGAATTTCC AGGTCAGA-G
	101		150
Ec K12, DH5α	GGCTGCA	AGT TGCAGACCGT	TAAAATCATC GGNNGGGGTG TCGTACCACA
Ec K12, w3110	GGCTGCA	AGT TGCAGACCGT	TAAAATCATC GGTGGGGGTG TCGTACCACA
Ec Bsr9c	GGCTGCA	AGT TGCAGACCGT	TATAATCATC GGTGGGGGTG TCGTACCACA
Ec (wt) 1	GGCTGCA	AGT TGCAGACCGT	TAAAATCATC GGTGGGGGTG TCGTACCACA
Ec (wt) 54	GGCTGCA	AGT TGCAGACCGT	TATAATCATC GGTGGGGGTG TCGTACCACA
Ec (wt) 68	GGCTGCA	AGT TGCAGACCGT	TATAATCATC GGTGGGGGTG TCGTACCACA
Consensus	GGCTGCA	AGT TGCAGACCGT	TA-AATCATC GGTGGGGGTG TCGTACCACA
	151		180
Ec K12, DH5α	CTTTACCT	GCGTCAGCCCG	AGATTAA-GTT -G
Ec K12, w3110	CTTTACCT	GCGTCAGCCCG	AGATTAA-GTT -G
Ec Bsr9c	CTTTACCT	GCGTCAGCCCG	AGATTAA-GTT -G
Ec (wt) 1	CTTTACCT	GCGTCAGCCCG	AGATTAAAGTT TGG
Ec (wt) 54	CTTTACCT	GCGTCAGCCCG	AGAT-AAAGTT TGG
Ec (wt) 68	CTTTACCT	GCGTCAGCCCG	AGAT-AAAGTT TGG
Consensus	CTTTACCT	GCGTCAGCCCG	AGAT-AA-GTT -G

* SEQ ID NO

Fig. 3b

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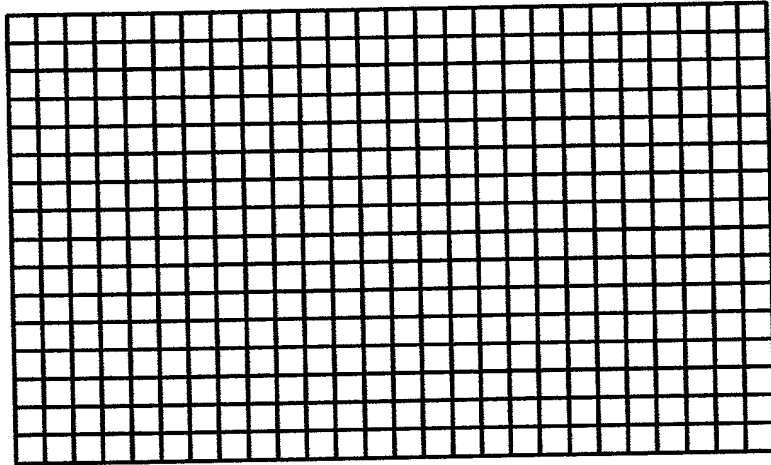


Fig. 4